

ABSTRACT OF THE DISCLOSURE

A power generation method and apparatus includes a plurality of gas reactors that combust fuel and an oxygen-containing gas under substantially adiabatic conditions such that hot high pressure combustion gases flow alternately and substantially continuously from each reactor to a work-producing device wherein the combustion gases are expanded to provide work. A portion of the expanded gases, or ambient air can be mixed with the combustion gases to form a mixture of gases fed to the work-producing device.